

1 d. Rigid guide means connected to the front end of the
2 platform;

3 e. Lifting means attached to the rigid guide means for
4 lifting the platform and treadmill.

5 *Sub D2* 26 2. The aquatic therapy tank apparatus in claim ²⁷ 1 having
6 additional means for supporting the platform and treadmill in the
7 tank comprised of at least two elongated rigid supporting members
8 each such member having two opposing ends, one member having one
9 end slidably connected to the platform and the opposing end affixed
10 and pivotably connected to the tank near the front end of the tank,
11 and the other elongated rigid member having one end slidably
12 connected to the tank near the bottom and one end affixed and
13 pivotably connected near the front end of the platform, and wherein
14 the two elongated rigid members are pivotably connected to each
15 other near the center at a center pivot point.

16 *29* 3. The aquatic therapy tank apparatus in claim ²⁷ 2 wherein the
17 treadmill driving means is comprised of rotational motor means
18 connected to a first flexible linkage having two ends about which
19 the linkage rotates, a first end and a second end, said first end
20 rotatably connected to the rotational drive means, and the second
21 end connected so as to rotate about the center pivot point of the
22 treadmill rigid members, and a second flexible linkage having two
23 ends about which said second flexible linkage rotates, a first end
24 rotatably connected to the center pivot point, and a second
25 opposing end rotatably connected to the end of the rigid member
26 pivotably connected to the front end of the platform, and a third
27 flexible linkage pivotably connected to the second end of the
28 second flexible means, and having a second end pivotably connected

to one end of the treadmill so as allow rotation of the treadmill.
304. The aquatic therapy tank apparatus in claims 1, 2 or 3 wherein the tank has a plurality of jet nozzles in at least one side through which water flows at the desired rate of flow into the tank, and having means for adjusting said water flow rate control means comprised of a water pump pumping at a rate responsive to the amount of electrical current to the pump and having means for adjusting the amount of electrical current provided to the pump.

4305. The aquatic therapy tank apparatus in claims 1, 2, 3 or 4 having means for monitoring the speed of the treadmill, means for monitoring the desired chemical requirements of the water, means for adjusting the chemical requirements of the water, means for monitoring the rate of water flow and means for electronically adjusting the same, memory and electronic microprocessor means for recording and adjusting said monitored items, and having remote control means for operating the microprocessor control system to allow operation of the system from inside the tank.

5306. The aquatic therapy tank apparatus in claims 1, 2, 3 or 4 having water therein with a predetermined chemical composition and having electrical means for sensing electrical signals representing the status of at least one of the elements of speed of the treadmill, chemical content of the water, and rate of water flow, and having means for sending corresponding electrical signals representing said respective status signals, means for electrically isolating the sensing means from the microprocessor control means, means electrically connected to the microprocessor for storing said data, output means connected to the microprocessor for sending control signals responsive to each of the monitored sensing means,